

NOTICE OF INTENT PLAN
FOR THE
CENTRAL ST. P.C.R.C.
IN
ACTON, MASS.



APPLICANT: MT. LAUREL REALTY
390 GOODRICH STREET, LUNENBURG, MA 01462
OWNER: WILLIAM CHISHOLM
390 GOODRICH STREET, LUNENBURG, MA 01462

SCALE: 1 INCH=20 FEET

DATE: APRIL 24, 2014

R. WILSON ASSOCIATES
LAND SURVEYORS AND CIVIL ENGINEERS
360 MASS. AVE., ACTON MASS. 01720
PHONE: 978-266-0203 FAX: 978-266-0203

FILE NO. 1851	DWG NO. 1851 NOI-20	SHEET NO. 2 OF 8
4	FP COMPENSATION	02/02/16
3	FP COMPENSATION	12/31/14
2	FLOOD PLAN	11/25/14
1	REVISED	7/11/14

EXISTING SYMBOLS LEGEND

- EXISTING STONE BOUND
- EXISTING UNDERGROUND COM. —C—
- EXISTING SEWER MANHOLE —S—
- EXISTING STORM DRAIN —D—
- EXISTING CATCH BASIN —S—
- EXISTING SANITARY SEWER —S—
- EXISTING FLOW DIRECTION —W—
- EXISTING WATER MAIN —W—
- EXISTING GAS MAIN —G—
- EXISTING FIRE HYDRANT —F—
- EXISTING UNDERGROUND ELEC. —OHW—
- EXISTING OVERHEAD WIRES —202—
- EXISTING 2" CONTOUR —200—
- EXISTING 10' CONTOUR
- EXISTING STONE WALL
- EXISTING TREE LINE
- EXISTING GUARDRAIL
- EXISTING WETLAND LINE
- EXISTING WETLAND FLAG

PROPOSED SYMBOLS LEGEND

- PROPOSED INFILTRATION TRENCH
- PROPOSED RETAINING WALL
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- PROPOSED STRAW WATTLES

ALL UTILITIES (UNDERGROUND ELECTRIC) TO BE INSTALLED UNDER THE COMMON DRIVEWAY (SEE CROSS SECTION)

EXISTING FOOT PATH WITHIN WETLAND AREA TO BE ABANDONED, AND RESTORED TO WETLAND VEGETATION AS DETAILED IN WETLAND REPLICATION PLAN

PROPOSED WETLAND FILL AREA A

AREA OF FILL = 812 S.F. (CONTINUED ON SHEET 2)

TEMPORARY IMPACT

PROPOSED STRAW WATTLES

FLOODPLAIN LINE

EX. FOOT PATH

WOOD GUARDRAIL

PROPOSED

25' BW BUFFER

196-198.97

200-202.0

204-204.0

206-206.0

208-208.0

210-210.0

212-212.0

214-214.0

216-216.0

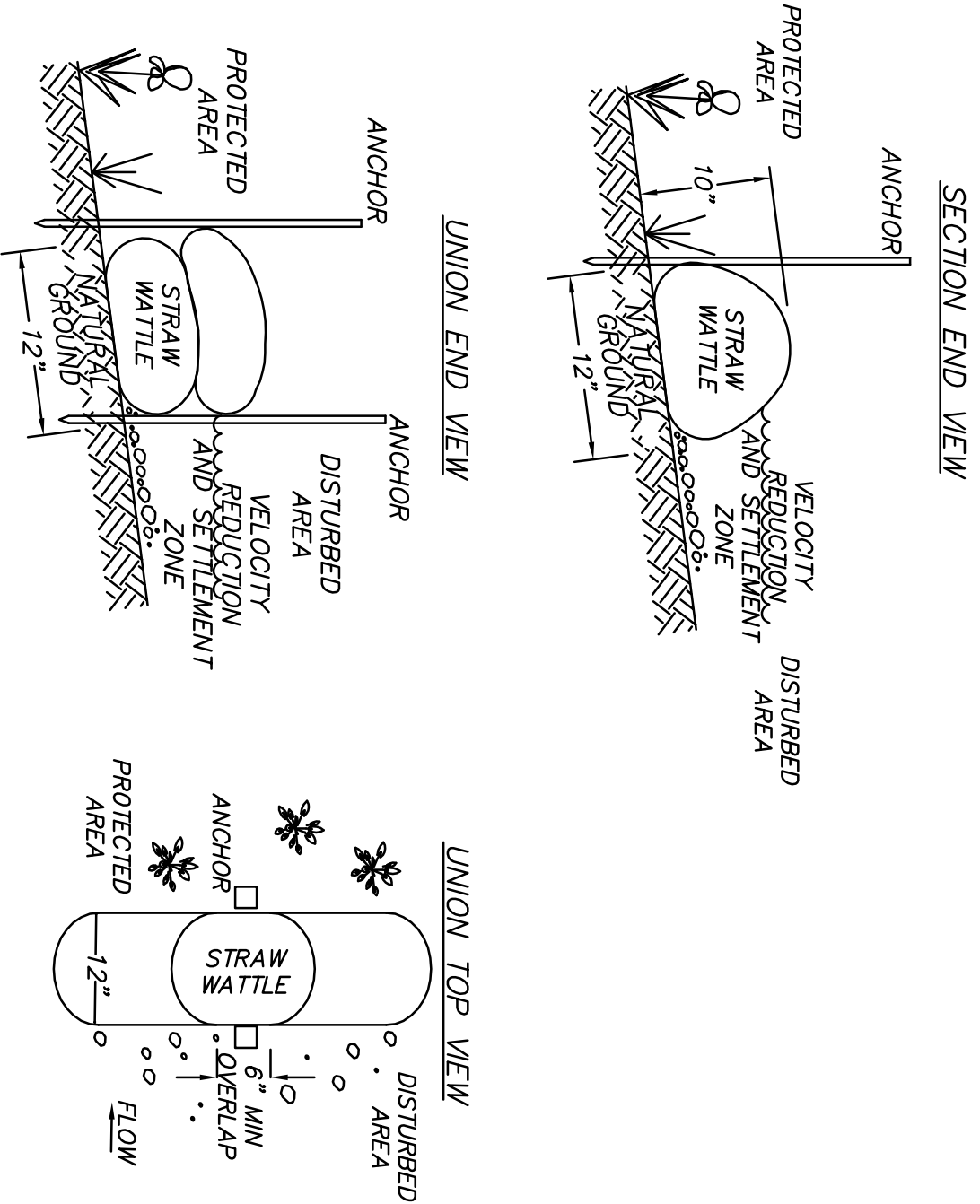
218-218.0

220-220.0

222-222.0

224-224.0

226-226.0



STRAW WATTLE DETAIL
NO SCALE

1. WATTLES SHALL BE CONSTRUCTED OF BIODEGRADABLE TUBULAR PLASTIC OR SIMILAR MATERIAL, AND SHALL BE FILLED WITH STRAW OR MULCH.
2. INSTALL WATTLES IN LOCATIONS SHOWN ON THE PLAN.
3. INSTALL THE WATTLES SNUGLY INTO A 3-5" DEEP TRENCH AND OVERLAP AS SHOWN IN THE DETAIL.
4. INSTALL ANCHOR STAKES ON DOWNHILL SIDE OF THE WATTLES, AND AT 5' SPACING ALONG THE LENGTH OF THE WATTLE.
5. AT A MINIMUM, ANCHOR STAKES SHALL BE 3/4" SQUARE BY 24" LONG, EXISTING VEGETATION GREATER THAN 2" DIAMETER MAY BE USED AS ANCHORS.
6. INSPECT WATTLES AFTER RAINFALL EVENTS TO ENSURE THEY ARE IN CONTACT WITH THE SOIL AND THOROUGHLY ENTRENCHED, AND REPAIR AS NEEDED.
7. INSPECT DOWNGRADE SLOPE AFTER SIGNIFICANT RAINFALL EVENTS TO ENSURE SCOUR IS NOT OCCURRING UNDER THE WATTLES, AND REPAIR AS NECESSARY.

NOTES:

WETLAND AREA TO BE FILLED:

AREA A = 812 S.F.

AREA B = 726 S.F.

TOTAL: A + B = 1538 S.F.

PROPOSED AREA TO BE RESTORED:

FOOT PATHS = 872 S.F. ±

HAYBALES* = 890 S.F. ±

TOTAL = 1,762 S.F. ±

TOTAL IMPACT = 3,300 S.F. ±

PROPOSED AREA TO BE REPLICATED:

= 2950 S.F. ±

* ALL HAYBALES INSIDE THE WETLAND ARE TEMPORARY IMPACTS TO BE RESTORED AFTER CONSTRUCTION.

FLOOD PLAN ELEVATION TAKEN FROM FEMA FIRM MAP PANELS 25017C0351F AND 25017C0353F DATED JULY 7, 2014. FLOOD PLAN ELEVATIONS BASED ON NAVD88 AND CONVERTED TO SITE DATUM AS SHOWN ON PLAN.

FLOODPLAIN FILL AREA A=70 S.F.

FLOODPLAIN FILL AVERAGE DEPTH=0.49'

FLOODPLAIN FILL VOLUME=34 C.F.

FLOODPLAIN FILL AREA B=540 S.F.

FLOODPLAIN FILL AVERAGE DEPTH=0.49'

FLOODPLAIN FILL VOLUME=265 C.F.

FLOODPLAIN FILL AREA C=380 S.F.

FLOODPLAIN FILL AVERAGE DEPTH=0.95'

FLOODPLAIN FILL VOLUME=350 C.F.

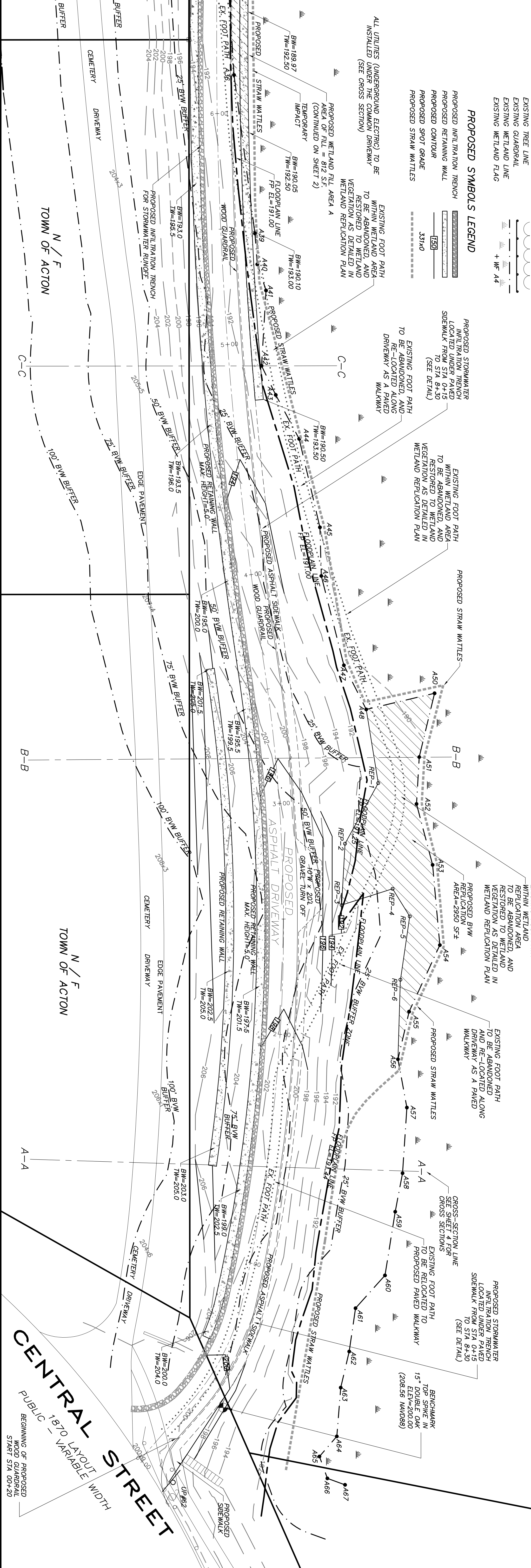
TOTAL FLOODPLAIN FILL VOLUME=649 CU.FT.

COMPENSATORY VOLUME PROVIDED AS FOLLOWS:

EXCAVATION AREA = 865 S.F.

EXCAVATION DEPTH = 0.75'

VOLUME OF STORAGE PROVIDED = 649 CU.FT.



CENTRAL STREET
PUBLIC 1870' VARIABLE WIDTH
15" DOUBLE OAK
ELEV=200.00
(208.36 NAVD88)

BEGINNING OF PROPOSED WOOD GUARDRAIL START STA 00+20